

Date: Mon, 28 Jun 93 15:21:05 PDT
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>
Errors-To: Packet-Radio-Errors@UCSD.Edu
Reply-To: Packet-Radio@UCSD.Edu
Precedence: Bulk
Subject: Packet-Radio Digest V93 #187
To: packet-radio

Packet-Radio Digest Mon, 28 Jun 93 Volume 93 : Issue 187

Today's Topics:

 AmiPac 6.3 now available at UCSD.EDU
 Kantronics KPC3
 looking at HF packet rigs
 Message Router delivery notification message
 MFJ-1274 Interference
 Packet and the *real* Internet (2 msgs)
 Packet newbie here... (2 msgs)
 TCP/IP thank you
 WANTED: MFJ1274 or equiv
 WANTED: TCP/IP domain.txt files wanted (2 msgs)

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 28 Jun 1993 12:12:34 GMT
From: pipex!uknet!nessie!goshawk!john@uunet.uu.net
Subject: AmiPac 6.3 now available at UCSD.EDU
To: packet-radio@ucsd.edu

In article <84115@cup.portal.com>, jkesling@cup.portal.com (John Darrell Kesling)
writes:

|> I just uploaded AmiPac 6.3 to UCSD.EDU for all of you who have been
|> looking for it.
|>
|> If you are an Amiga user and have been looking for a good shareware
|> packet terminal program, give it a try.

Please check the archive, as a version of AmiPac6.3 that was sent to me had a release version of LHA (not the shareware version)

John

b|>

|> Enjoy!

|> 73 - John, WA8ZGO

Date: 28 Jun 1993 17:12:35 -0400

From: usc!howland.reston.ans.net!darwin.sura.net!udel!news.intercon.com!panix!not-for-mail@network.UCSD.EDU

Subject: Kantronics KPC3

To: packet-radio@ucsd.edu

In article <Pine.3.03.9306261719.A1189-9100000@Alice-Thurman.tenet.edu> kbridge@tenet.EDU (Ken Bridges) writes:

>

>Does anyone have any experience or knowledge of the Kantronics KPC3
>TNC? Any experiences good or bad would be appreciated. Also, does
>anyone know what speed this TNC operates--I am assuming 1200 baud
>can anyone confirm?

I am considering getting either the MFJ 1270 or the KPC3. Does anyone know how well they work on TCP/IP? Also, can the KPC3 be upgraded to 9600 baud?

Date: Mon, 28 Jun 1993 18:53:11 GMT

From: vicorp!jeff@uunet.uu.net

Subject: looking at HF packet rigs

To: packet-radio@ucsd.edu

I just passed my tests to get my Tech+ ticket. Now I'm looking to get an HF rig. I'm very interested in HF packet, and I would like some info on what to look for in a rig. Right now I am looking at the Icom 728 or the Yeasu 747. I am more impressed by the specs on the Icom, but the Yeasu claims to have a 100% duty cycle. I've read in some piece of literature that for HF packet a good duty cycle is needed, so is 100% duty cycle nessicary? Also are most HF digital modes on SSB or would an FM option be a good investment, what about that AFSK? Any other info along these lines would be helpful.

So anybody running HF digital modes let me know what you think and/or let me know what rig you use. Thanks alot.

Jeff Naus
jeff@acmecon.com

Date: 28 Jun 93 13:04:59 GMT
From: news-mail-gateway@ucsd.edu
Subject: Message Router delivery notification message
To: packet-radio@ucsd.edu

RE Message ID: 02204182603991/321527@WEBCS

Attempted delivery to:

```
Route           : @BT88M7      <--
Route           : @1=GB
Route           : @2=BT
Route           : @3=BT
Route           : @5=BT PLC
Route           : @4=BIB3IP
Route           : @8=D
Userid          : 6=HATCHER
Arrival date    : 28-JUN-1993 14:02
```

This delivery failed. Failure reason was "unable to transfer".
Diagnostic was "originator not authorized to use Gateway".

Message-id: G2060466D28JUN199313555425
From: NAME: packet-radio <packet-radio@ucsd.edu@R11F@MRGATE@WEBCS>
Subject: Packet-Radio Digest V93 #186
To: HATCHER D

Packet-Radio Digest Mon, 28 Jun 93 Volume 93 : Issue 186

Today's Topics:

 Message Router delivery notification message
 Packet newbie here...
 TNC3
 WANTED: MFJ1274 or equiv

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>
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Date: 28 Jun 93 07:31:37 GMT
From: news-mail-gateway@ucsd.edu
Subject: Message Router delivery notification message
To: packet-radio@ucsd.edu

RE Message ID: 11024162603991/319952@WEBCS

Attempted delivery to:

Route	:	@BT88M7	<--
Route	:	@1=GB	
Route	:	@2=BT	
Route	:	@3=BT	
Route	:	@5=BT PLC	
Route	:	@4=BIB3IP	
Route	:	@8=D	
Userid	:	6=HATCHER	
Arrival date	:	26-JUN-1993 14:20	

This delivery failed. Failure reason was "unable to transfer".
Diagnostic was "originator not authorized to use Gateway".

Message-id: G2043FA8E26JUN199314065521
From: NAME: packet-radio <packet-radio@ucsd.edu@R11F@MRGATE@WEBCS>
Subject: Packet-Radio Digest V93 #184
To: HATCHER D

Packet-Radio Digest Sat, 26 Jun 93 Volume 93 : Issue 184

Today's Topics:

Minisport Messages

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official

policies or positions of any party. Your mileage may vary. So there.

Date: Sat, 26 Jun 1993 05:57:40 GMT
From: mentor.cc.purdue.edu!jbradsha@purdue.edu
Subject: Minisport Messages
To: packet-radio@ucsd.edu

I oopsed and managed to kill the issues of the Minisport issues that were posted. Can someone either tell me the ftp site or email them to me? I'd much appreciate it!

--
Jonathan Bradshaw | Email Jonathan.Bradshaw@nd.edu | Prodigy XMSN02B | Ham N90XE
WNDU-AM/FM/TV South Bend, IN | Disclaimer "My opinions are not my employers"
"If any girl rejects you, don't you doubt it's part of the .plan"-Deborah Gibson

End of Packet-Radio Digest V93 #184

Date: Mon, 28 Jun 1993 01:49:35 GMT
From: unix.sri.com!hsdndev!dartvax!Kenneth.E.Harker@hplabs.hpl.hp.com
Subject: Packet newbie here...
To: packet-radio@ucsd.edu

I'm a "call-sign pending" tech plus who just passed the exams about three weeks ago. One of the first things I want to do when I get my ticket is get up and running on packet. I'm going to have a 2m handheld on loan for a while, but I need a TNC/multimode controller. I really have no idea what to get.

First, I wonder if I should get just a TNC or a full blown multimode controller? I know I'll be interested in packet, but what I don't know is whether or not I'll be interested in the other digital modes. About how much more could I expect to pay for a multimode than for just a TNC?

Another question is size. Living in fraternity/dorm rooms for the next two years will mean that whatever I get is better small. Eventually, I might even like to do a palmtop packet station, so that also puts a premium on size, and ideally, it should be capable of running on both batteries and AC or DC power. Although I know that most packet activity is still at 1200 baud, should I consider getting a 2400 baud TNC, or even a 9600 baud one?

Another concern is an external antenna. I can put a vertical on the roof of my fraternity house, but I may in the future be living in

dormitory rooms as well, so I wouldn't mind advice on either a good outdoor antenna or an indoor antenna that can fit well in a dorm room.

I know that I'm asking a whole lot of questions, but I really would appreciate any advice on these issues. I'm really excited about getting on the air soon.

73,
_ken

p.s. one last request: does anyone know of a good mail order company(ies) I can get a free catalog from? The closest ham radio store to here is a 4 hour round trip.

Date: 28 Jun 93 06:22:23 GMT
From: swrinde!cs.utexas.edu!wupost!howland.reston.ans.net!xlink.net!fauern!rz.unibw-muenchen.de!claudio@network.UCSD.EDU
Subject: TNC3
To: packet-radio@ucsd.edu

Hello !

What is the TNC3 ?

Thanks for help
--

Claude F.

This message may contain opinions which are not shared by my employer.

Date: Sun, 27 Jun 93 22:21:57 GMT
From: mnemosyne.cs.du.edu!nyx!psthomas@uunet.uu.net
Subject: WANTED: MFJ1274 or equiv
To: packet-radio@ucsd.edu

Well, I haven't had much response from my other article on this subject, in other groups... Maybe this is the best place for it...

I'm looking for an MFJ1247 or an equivalent TNC. I'd like to be able to use ka9q software with it, and I'd like to have HF and VHF capabilities. A mailbox would be nice, too. This should all be standard equipment on the MFJ, and I'm not an expert on other brands, so please let me know if I should look for some other brand that might allow me additional features. I'm looking to spend 60-80 dollars, depending on condition, and options.

New, these go for about \$120, so I think 50% to 66% isn't a bad price for used equipment. I'm somewhat flexible, so let me know. Also, if I've made any errors in judgement (regarding standard features, prices, etc), please correct me!

Thanks in advance!

- Patrick

End of Packet-Radio Digest V93 #186

Date: 28 Jun 93 20:39:09 GMT
From: news-mail-gateway@ucsd.edu
Subject: MFJ-1274 Interference
To: packet-radio@ucsd.edu

kf5mg@vnet.ibm.com writes:

>>I have an MFJ-1274 and an Alinco DR-1200. The TNC is clearly causing
>>interference on the most popular packet frequency. Does anyone know what
>>I can adjust on the TNC to possibly fix this ?
>
>I think that there's a pot near the crystal that you can adjust to
>move to interference somewhere else. Check the manual for the location
>of the pot, or open up the tnc and see if there is something near the
>crystal.

Actually, it's not a pot, it's a variable capacitor.

73, Bob

Bob Nielsen, W6SWE Internet: w6swe@tapr.org
Tucson, AZ AX.25: w6swe@wb7tls.az.usa.na
 Amateur IP: 44.124.12.16

Date: Mon, 28 Jun 1993 18:40:49 GMT
From: hacker!steve@uunet.uu.net
Subject: Packet and the *real* Internet
To: packet-radio@ucsd.edu

I'm in the midst of studying for my Technician license, and am planning on using mainly packet. What I need to know is how I can make a packet node coexist with the rest of my net here at home. I have my own domain name (smy.com), and my own class C network address, and Thin-net running between my three machines. Does a packet node running TCP/IP have to be in the ampr.org domain? I think the DOS 386 will probably be running NOS and routing to the other machines on my net (486/Unix & Mac LC). I don't want to route between Internet and Packet or vice versa, just between machines in smy.com and machines in ampr.org.

Anybody have any hints on how this can/should be done? Anybody know where I can find more info on the subject?

Thanks.

Steve

--

Stephen M. Youndt	10201 Chase Commons Dr. #106	Burke, VA 22015
steve@hacker.smy.com	uunet!hacker!steve	(703)978-6352

=====

geek - n. [Perh. < dial. geek, fool < MLG geck.] - A carnival performer whose

Date: Mon, 28 Jun 1993 21:11:31 GMT
From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!torn!newshost.uwo.ca!home-pc1.business.uwo.ca!mark@ames.arpa
Subject: Packet and the *real* Internet
To: packet-radio@ucsd.edu

>Reply-To: steve@hacker.UUCP (Stephen Youndt)
>I'm in the midst of studying for my Technician license, and am planning
>on using mainly packet. What I need to know is how I can make a packet
>node coexist with the rest of my net here at home. I have my own domain
>name (smy.com), and my own class C network address, and Thin-net running
>between my three machines. Does a packet node running TCP/IP have to be
>in the ampr.org domain?

No. You can run KA9Q nos with any IP address, not just a 44. address.

I think the DOS 386 will probably be running NOS
>and routing to the other machines on my net (486/Unix & Mac LC). I don't
>want to route between Internet and Packet or vice versa, just between
>machines in smy.com and machines in ampr.org.

>
>Anybody have any hints on how this can/should be done? Anybody know
>where I can find more info on the subject?
>

Simple. Put an ethernet card, and a serial card in your PC. Configure the TNC port to have a 44.x.x.x address. Configure the ethernet port to have a compatible ip number for your subnet. Setup a route in nos so it can find both ports.

Configure your sym.com machines to point to the ka9q machine for 44.x.x.x All of your friends will have to add an entry for you, else they would be able to get past the nos gateway.

Since the 'real' router (your internet link) knows nothing of your 44.x.x.x gateway, people wouldn't be able to get packets through it, yet it will work fine for your machines.

I did this here, and it worked fine.

>Thanks.

>

>Steve

>--

>Stephen M. Youndt 10201 Chase Commons Dr. #106 Burke, VA 22015
>steve@hacker.smy.com uunet!hacker!steve (703)978-6352

>=====

>geek - n. [Perh. < dial. geek, fool < MLG geck.] - A carnival performer whose

=====

Mark Bramwell, VE3PZR Located in sunny London, Ontario

Internet: Mark@ARDSLEY.business.uwo.ca IP Address: 129.100.29.33
Packet: VE3PZR @ VE3GYQ UWO Phone: (519) 661-3714

Date: Mon, 28 Jun 1993 13:08:47 GMT
From: swrinde!cs.utexas.edu!math.ohio-state.edu!magnus.acs.ohio-state.edu!
cis.ohio-state.edu!udecc.engr.udayton.edu!blackbird.afil.af.mil!afterlife!
wapembe@network.UCSD.EDU
Subject: Packet newbie here...
To: packet-radio@ucsd.edu

In article <C9B6Eo.LC0@dartvax.dartmouth.edu> Kenneth.E.Harker@dartmouth.edu
(Kenneth E. Harker) writes:

congrats on passing the exams!!! when you get on the air send a mail
msg to ka3yyr@wb3v.md.usa.na

questions about tnc's left for others.

> Another concern is an external antenna. I can put a vertical on
>the roof of my fraternity house, but I may in the future be living in
>dormitory rooms as well, so I wouldn't mind advice on either a good
>outdoor antenna or an indoor antenna that can fit well in a dorm room.

check out this months issues of CQ and QST. one of these (can't find mine
right now) has an article on a portable 2-meter antenna using pvc and some
wire. seems pretty lowcost, portable (hang out the window whey you want to
use it) and a good first project if you are into that. one word of caution
about this though...check and see what the interference is from the tnc that
you get. i have an mfj 1270b and it is so noisy that the only way i could
get a reliable connection to the bbs was to put the antenna on the roof.
also, make sure that the system is grounded for the rf stuff.

welome to ham radio. enjoy whatever niches you find and don't be afraid to
at least give other areas a try. you just might like it.

73 cul de bill ka3yyr

--

```
--      wapembe@afterlife.ncsc.mil/president of BillCo./ka3yyr |development      |
|_| | |Our Motto: "Better Programming Through Osmosiszzzz...."|          this part|
|--|--|"Life is for entertainment purposes only. All other use voids warranty."
|_|_| |DoD# 12543 Doh# 0000012543  @&>\o  |8={}}
-----
```

Date: Mon, 28 Jun 1993 12:42:57 GMT
From: swrinde!emory!wa4mei!ke4zv!gary@network.UCSD.EDU
Subject: Packet newbie here...
To: packet-radio@ucsd.edu

In article <C9B6Eo.LC0@dartvax.dartmouth.edu> Kenneth.E.Harker@dartmouth.edu
(Kenneth E. Harker) writes:

> I'm a "call-sign pending" tech plus who just passed the exams
>about three weeks ago. One of the first things I want to do when I get
>my ticket is get up and running on packet. I'm going to have a 2m
>handheld on loan for a while, but I need a TNC/multimode controller. I
>really have no idea what to get.

> First, I wonder if I should get just a TNC or a full blown
>multimode controller? I know I'll be interested in packet, but what I

>don't know is whether or not I'll be interested in the other digital
>modes. About how much more could I expect to pay for a multimode than
>for just a TNC?

Multimodes command about a 3X premium over TAPR clones. It's not worth it unless you intend to operate a lot of HF, which, of course, also demands a HF rig and antennas.

> Another question is size. Living in fraternity/dorm rooms for the
>next two years will mean that whatever I get is better small.
>Eventually, I might even like to do a palmtop packet station, so that
>also puts a premium on size, and ideally, it should be capable of
>running on both batteries and AC or DC power. Although I know that
>most packet activity is still at 1200 baud, should I consider getting a
>2400 baud TNC, or even a 9600 baud one?

PacComm has the Micropower TNC which is all CMOS, and still TAPR compatible. It's power requirements let you operate battery portable. There are also smaller TNCs like the Handipacket, but they are based on proprietary designs and aftermarket firmware and hardware aren't available. You should plan on eventually going to a higher speed modem, but that's very location dependent. Find out what's current in your area. It does no good to have a 9600 baud modem and find no one to converse with. Having a TNC that's TAPR TNC2 compatible is very useful because it means that changing to a higher speed modem is a drop in operation via the modem disconnect header. Not all TNCs have this. Also 9600 baud will likely require radio modifications, and not all radios are easily modified. 2400 baud shouldn't have this problem, but the throughput improvement is not nearly as much as you'd expect due to the half duplex nature of packet with it's fairly long turnaround times. Unless it's a local favorite, I'd say don't bother with 2400 baud.

> Another concern is an external antenna. I can put a vertical on
>the roof of my fraternity house, but I may in the future be living in
>dormitory rooms as well, so I wouldn't mind advice on either a good
>outdoor antenna or an indoor antenna that can fit well in a dorm room.

The best external antennas price/performance wise are the Comet and Diamond lines. Avoid the Cushcraft Ringos unless someone *pays* you to take it. :-)

For indoor antennas and HTs, the AEA Hotrod is good, but you'll find that HTs and packet don't mix that well unless you use a remote antenna. Usually a mobile magmount stuck on a filing cabinet will be fine. The problem is RF feedback into the TNC, and TNC hash getting into the HT. A separate antenna should be considered a must have option.

>p.s. one last request: does anyone know of a good mail order

>company(ies) I can get a free catalog from? The closest ham radio
>store to here is a 4 hour round trip.

Amateur Electronic Supply, get on their mailing list. You'll find
their ad in any QST. HRO and a few others also offer catalogs, but
QST is *itself* a catalog, so if you subscribe, you don't really
need any of the others.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: Mon, 28 Jun 1993 19:24:42 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!noc.near.net!lynx!
sehrlich@network.UCSD.EDU
Subject: TCP/IP thank you
To: packet-radio@ucsd.edu

This is a thank you message to everyone who sent replies regarding
my previous message of where to get the domain.txt file for the
IP addresses.

For those who are interested in the results, the answer is:

the ampr files are located in /hamradio at ucsd.edu.
i.e. ftp ucsd.edu, cd /hamradio

73,
Scott, WY1Z

--

```
=====
| Scott Ehrlich           Internet: wy1z@world.std.com           |
| Amateur Radio: wy1z      Packet Radio: wy1z@k1ugm.ma.usa.na    |
|                           |                                     |
=====
```

Date: Mon, 28 Jun 1993 12:26:45 GMT
From: swrinda!gatech!kd4nc!ke4zv!gary@network.UCSD.EDU

Subject: WANTED: MFJ1274 or equiv
To: packet-radio@ucsd.edu

In article <1993Jun27.222157.9974@mnemosyne.cs.du.edu> psthomas@nyx.cs.du.edu (Patrick Thomas) writes:

> Well, I haven't had much response from my other article on this subject,
> in other groups... Maybe this is the best place for it...

>

> I'm looking for an MFJ1247 or an equivalent TNC. I'd like to be able to
> use ka9q software with it, and I'd like to have HF and VHF capabilities. A
> mailbox would be nice, too. This should all be standard equipment on the
> MFJ, and I'm not an expert on other brands, so please let me know if I
> should look for some other brand that might allow me additional features.
> I'm looking to spend 60-80 dollars, depending on condition, and options.
> New, these go for about \$120, so I think 50% to 66% isn't a bad price for
> used equipment. I'm somewhat flexible, so let me know. Also, if I've made
> any errors in judgement (regarding standard features, prices, etc), please
> correct me!

The MFJ1274 is a good choice for a TNC primarily used at VHF with some limited HF operation. While the later standard firmware has a KISS mode, most TCP/IP users replace that with the K3MC KISS_ONLY ROM image. That gets rid of features like the mailbox (only available with the latest firmware anyway, beware of used purchases in this regard) which is redundant with TCP/IP. If you're primarily interested in HF operation, the MFJ1274 is a less good choice. Then you should be looking at multimode units like the PK232 and KAM which have superior HF filters. Note that these are less than stellar performers with TCP/IP, however, since you're stuck with their proprietary firmware which has arbitrary limits on packet size. Also, adding higher speed modems is difficult to impossible with these proprietary boxes. Since the MFJ is a true TAPR clone, addition of high speed modems is straight forward.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: Mon, 28 Jun 1993 16:30:54 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!noc.near.net!
lynx!sehrlich@network.UCSD.EDU
Subject: WANTED: TCP/IP domain.txt files wanted
To: packet-radio@ucsd.edu

I want to compile a listing of all current domain addresses worldwide, along with their IP addresses, and place the information into one master file.

Also, is there a mailing list or someplace where this information is posted? I have full usenet access, along with full Internet access, too. Is there an Internet FTP site which has the information?

I've tried FTPing it from a local Amateur TCP/IP station, but when I finished the transfer (a zip file, and I did transfer it as a binary), my copy of pkunzip could not recognize the file (I have pkunzip v.2.04g).

Thanks much for your help.

73,
Scott, WY1Z

--

```
=====
| Scott Ehrlich           Internet: wy1z@world.std.com           |
| Amateur Radio: wy1z      Packet Radio: wy1z@k1ugm.ma.usa.na    |
|                           |                                     |
=====
```

Date: Mon, 28 Jun 1993 19:41:55 GMT
From: swrinde!gatech!howland.reston.ans.net!news.ans.net!newsgate.watson.ibm.com!
hawnews.watson.ibm.com!news@network.UCSD.EDU
Subject: WANTED: TCP/IP domain.txt files wanted
To: packet-radio@ucsd.edu

In <1993Jun28.163054.12412@lynx.dac.northeastern.edu>,
sehrlich@lynx.dac.northeastern.edu (Scott R. Ehrlich) writes:
>I want to compile a listing of all current domain addresses worldwide,
>along with their IP addresses, and place the information into one
>master file.
>

Why? You can't get to every 44/8 address. You can only get to the ones that have access to a gateway.

>Also, is there a mailing list or someplace where this information is
>posted? I have full usenet access, along with full Internet access, too.
>Is there an Internet FTP site which has the information?
>

An official, but not necessarily up to date list is kept on UCSD.EDU

in the hamradio directory. It is called ampr.org or something similar.
You should also find a list of local ampr.org coordinators.

73's de Jack - kf5mg

AX25net - kf5mg@kf5mg.#dfw.tx.usa.na - (817) 962-4409

AMPRnet - kf5mg@kf5mg.ampr.org - 44.28.0.14

Internet - kf5mg@vnet.ibm.com

"I am Homer, of Borg...prepare to be assim -- ooo, donuts."

End of Packet-Radio Digest V93 #187
